PATENT COOPERATION TREA

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
03-552-C	ACTION	as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/	(Earliest) Priority Date (day/month/year)
PCT/US2004/031591	24/09/2004	24/09/2003
Applicant		
METHYLGENE, INC.		
This International Search Report has bee according to Article 18. A copy is being to	n prepared by this International Seard ansmitted to the International Bureau	ching Authority and is transmitted to the applicant
This International Search Report consists		
	a copy of each prior art document ci	
Basis of the report a. With regard to the language, the language in which it was filed, ur	international search was carried out less otherwise indicated under this ite	on the basis of the international application in the em.
• •	search was carried out on the basis	of a translation of the international application furnished to
		disclosed in the international application, see Box No. I.
2. X Certain claims were for	und unsearchable (See Box II).	
3. Unity of invention is la	cking (see Box III).	
4. With regard to the title,		
_	submitted by the applicant.	
I ————————————————————————————————————	ished by this Authority to read as follo	ows:
	•	
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A NAME OF THE PARTY OF THE PART		
5. With regard to the abstract,	submitted by the applicant.	
the text has been estab	lished, according to Bule 38.2(b), by	this Authority as it appears in Box No. IV. The applicant
may, within one month	from the date of mailing of this interna	ational search report, submit comments to this Authority.
6. With regard to the drawings ,	a sublished with the abstract is Figure	A NO
-	e published with the abstract is Figure	. INO
	y the applicant. this Authority, because the applicant	failed to suggest a figure.
· • • • • • • • • • • • • • • • • • • •	this Authority, because the applicant this Authority, because this figure bet	
	this Authority, because this lighte beto be published with the abstract.	
b none of the figures is to	, so published that the aboutest	

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International ar

ion No.

PCT/US2004/031591

Box I	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed international search was carried out on the basis of:
	a.	type of material X a sequence listing table(s) related to the sequence listing
	b.	format of material X in written format X in computer readable form
	c.	time of filing/furnishing X contained in the international application as filed X filed together with the international application in computer readable form
2.		furnished subsequently to this Authority for the purpose of search In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Add	itional comments:
1		

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nternational Applica PCT/US2004/051591

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C237/40 C07C233/25 CO7C237/20 C07C255/60 C07C235/58 A61K31/16 A61K31/33 A61K31/381 C07D333/20 C07C323/42 CO7D409/14 C07D333/16 C07D409/12 A61P35/00 C07D307/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Χ	WO 03/024448 A (METHYLGENE) 27 March 2003 (2003-03-27)	82-352, 503
Α	claims; examples	1,55
X	WO 01/38322 A (METHYLGENE) 31 May 2001 (2001-05-31)	82-352, 503
Α	cited in the application page 84, compound 86; pages 94 - 99; page 102; pages 108 - 109; page 112; pages 116 - 127; claims	1,55
X	EP 0 847 992 A (MITSUI CHEMICALS) 17 June 1998 (1998-06-17) cited in the application	82-352, 503
Α	claims; examples	1,55

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
4 February 2005	15/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Zervas, B

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category °	Gilation of document, with indication, where appropriate, of the relevant passages	rielevanii to Claim No.
Х	WO 01/16106 A (SCHERING)	82-352,
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Α ·	claims; examples	1,55
Χ	SUZUKI ET AL: "Synthesis and Histone	82-352,
••	Deacetylase Inhibitory Activity of New	503
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	1999, JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US,	
	PAGE(S) 3001-3003 , XP002158227	
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	the whole document	
P,X	WO 03/087057 A (ASTRAZENECA)	82-352,
,	23 October 2003 (2003-10-23)	503
	claims; examples	
		
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 44-54, 71-81, 101-111, 132-142, 161-171, 190-200, 219-230, 248-258, 276-286, 305-315, 342-352, 367-277, 392-402, 417-427, 442-452, 467-477, 592-502 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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International a stion No. PCT/US_J04/031591

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: see FURTHER INFORMATION sheet PCT/ISA/210
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

INT'RNATIONAL SEARCH REPORT

...ormation on patent family members

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